

Sealed batteries

HRL12-150



Advantages

- High level of reliability and stability of parameters
- High charge rate, low self-discharge
- Long service life

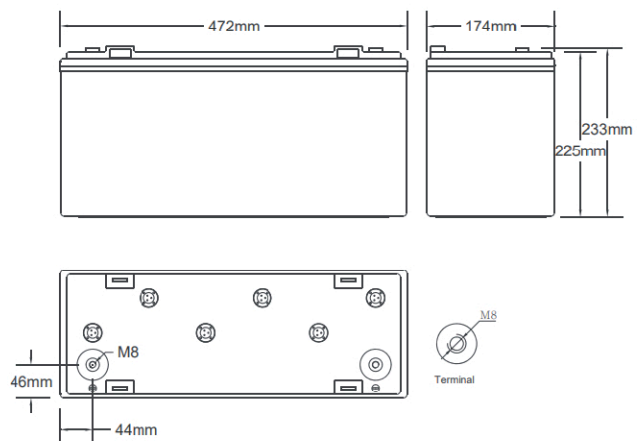
Features

- Corrosion-resistant alloy and plate stamping
- Unique double-sided smearing technology, plate welding and other technologies
- Durable ABS plastic and special assembly technology guarantee normal operation without leaks, geometry changes and tears

Technical specifications

Rated voltage	12 V
Rated capacity	154 Ah
Weight	46 kg
Output Type	M8
Internal resistance	2.2 mΩ
Recommended charging current	22.5 A
Charging voltage	Floating: 2.23 V/El Leveling tools: 2.35 V/El
Operating temperature range	Discharge: -40°C ~ 50°C Charge: -20°C ~ 45°C Keeping: -20°C ~ 40°C
Housing material	ABS/ABS V0 (option)
Service life	15 years

Sizes



Characteristics of a constant-power discharge at 25°C, W/element

Final voltage, V/El	Discharge time, min											
	5	10	15	20	25	30	60	90	2 h	3 h	6 h	10 h
1.60V	893	760	640	515	442	331	189.3	133.6	114.9	86.7	48.1	31.2
1.67V	830	750	630	505	440	324	187.6	132.1	113.9	86.3	48.0	31.1
1.70V	789	740	600	500	438	320	187.0	131.4	111.7	85.0	47.8	31.0
1.75V	723	720	595	491	435	310	183.0	130.3	110.8	84.2	47.6	30.9
1.80V	651	502	450	364	296	291	176.2	125.8	110.2	83.8	47.5	30.7
1.85V	572	450	400	334	283	267	164.6	116.8	108.5	82.6	46.9	30.6

Characteristics of direct current discharge at 25°C, A

Final voltage, V/El	Discharge time, min											
	5	10	15	20	25	30	60	90	2 h	3 h	6 h	10 h
1.60V	501	396	300	245	217	183	97.6	68.5	58.6	44.0	24.3	15.6
1.67V	458	363	295	240	215	180	96.2	67.4	57.8	43.6	24.1	15.5
1.70V	434	355	275	235	208	175	95.4	66.7	56.4	42.7	23.9	15.4
1.75V	396	340	270	230	198	168	92.9	65.8	55.7	42.1	23.7	15.1
1.80V	355	270	238	198	161	155	89.0	63.2	55.1	41.7	23.5	15.0
1.85V	310	240	215	180	144	143	82.7	58.4	54.0	40.9	23.1	14.9